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Attorney Docket No.: 67,200-1200

IN THE CLAIMS

Please amend claims 1, 9 and 13 as follows.

(Currently amended) A method of cleaning a process 1. chamber, comprising the steps of:

providing a gas mixture comprising nitrous oxide and nitrogen trifloride in a nitrous oxide: nitrogen trifluoride volume ratio of at least about 0.2;

maintaining a temperature of from about 65°C to about 300°C in said process chamber;

introducing said gas mixture into the process chamber; and

generating a plasma from said gas mixture.

- (Original) The method of claim 1 further comprising the 2. step of providing an inert carrier gas in said gas mixture.
- (Original) The method of claim 1 wherein said nitrous З. oxide: nitrogen trifluoride volume ratio is from at least about 0.2 to about 0.8.
- (Original) The method of claim 3 further comprising the step of providing an inert carrier gas in said gas mixture.
- (Original) The method of claim 2 wherein said inert 5. carrier gas comprises argon.

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- 6. (Original) The method of claim 5 wherein said nitrous oxide:nitrogen trifluoride volume ratio is from at least about 0.2 to about 0.8.
- 7. (Original) The method of claim 2 wherein said inert carrier gas comprises helium.
- 8. (Original) The method of claim 7 wherein said nitrous oxide:nitrogen trifluoride volume ratio is from at least about 0.2 to about 0.8.
- 9. (Currently amended) A method of cleaning a process chamber, comprising the steps of:

providing a gas mixture comprising nitrous oxide and nitrogen trifloride in a nitrous oxide:nitrogen trifluoride volume ratio of at least about 0.8;

introducing said gas mixture into the process chamber; and

generating a plasma from said gas mixture <u>using a radio frequency power of from about 1 watt/cm² to about 20 watts/cm².</u>

- 10. (Original) The method of claim 9 further comprising the step of providing an inert carrier gas in said gas mixture.
 - 11. (Original) The method of claim 10 wherein said inert

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carrier gas comprises argon.

- 12. (Original) The method of claim 10 wherein said inert carrier gas comprises helium.
- 13. (Currently amended) A method of expediting cleaning of a process chamber using nitrogen trifluoride, comprising the steps of:

forming a gas mixture by adding nitrous oxide to the nitrogen trifluoride in a nitrous oxide:nitrogen trifluoride volume ratio of at least about 0.2;

maintaining a temperature of from about 65°C to about 300°C in said process chamber;

introducing said gas mixture into the process chamber; and

forming nitric oxide radicals and fluoride radicals in the process chamber by generating a plasma from said gas mixture using a radio frequency power of from about 1 watt/cm 2 to about 20 watts/ cm 2 .

- 14. (Original) The method of claim 13 further comprising the step of providing an inert carrier gas in said gas mixture.
- 15. (Original) The method of claim 13 wherein said nitrous oxide: nitrogen trifluoride volume ratio is from at least about 0.2 to about 0.8.

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- 16. (Original) The method of claim 15 further comprising the step of providing an inert carrier gas in said gas mixture.
- 17. (Original) The method of claim 13 wherein said nitrous oxide:nitrogen trifluoride volume ratio is at least about 0.8.
- 18. (Original) The method of claim 17 further comprising the step of providing an inert carrier gas in said gas mixture.
- 19. (Original) The method of claim 18 wherein said inert carrier gas comprises argon.
- 20. (Original) The method of claim 18 wherein said inert carrier gas comprises belium.